

Fatal and non-fatal accidents in warehousing in Japan in 1999-2021

warehousing industry Code No.080401

Type of accidents in warehousing in 1999-2021

Type of accidents	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	total	Type of accidents
fall from height	70	84	97	84	80	99	71	87	88	88	68	72	75	96	86	74	88	104	118	93	107	94	96	2,019	fall from height
falling to same level	55	58	54	59	46	57	52	59	67	93	83	72	86	106	96	106	110	123	132	138	148	143	170	2,113	falling to same level
crash	25	22	27	20	33	32	31	28	34	35	40	30	30	38	40	40	65	47	38	46	57	52	58	868	crash
struck by flying or falling object	22	26	30	25	39	24	26	35	29	33	26	31	27	24	26	38	23	32	38	35	39	40	34	702	struck by flying or falling object
collapse	7	11	19	10	17	20	12	22	17	18	18	14	13	16	17	14	13	11	12	18	26	16	23	364	collapse
crashed by	26	28	18	36	34	31	42	31	37	48	45	23	45	41	55	50	53	45	56	53	62	61	72	992	crashed by
caught in/between	74	72	76	85	95	57	82	86	94	73	67	75	67	75	82	72	86	86	86	85	73	86	97	1,831	caught in/between
cut	10	10	9	17	9	13	8	10	14	16	10	14	19	18	13	11	6	8	12	24	14	13	14	292	cut
injury to the sole of the foot	1	1			1	2					1			1	2	1		1		1		1		13	injury to the sole of the foot
drown				1									2	1										4	drown
contact to high/low-temperature	3	2	2	1	2		4	6	2	1	3	7	3	5	8	5	5	5	5	9	14	8	3	103	contact to high/low-temperature

engine													1				1						2	engine	
power transmission mechanism							1			1	1	1		1			2	1					1	9	power transmission mechanism
circular sawing machine			1		3					1	1	1		4		2				1		1		15	circular sawing machine
band sawing machine																									band sawing machine
wood planer machine																									wood planer machine
hollow chisel mortiser, wood borer									1															1	hollow chisel mortiser, wood borer
chamfering machine, router, woodworking milling machine																									chamfering machine, router, woodworking milling machine
chain saw								1		1														2	chain saw
other woodworking machines							1	1	1	1	1	2	1					1					1	10	other woodworking machines
leveling, transporting or loading machine																	1						1	2	leveling, transporting or loading machine
excavating machine																									excavating machine
foundation work machine																									foundation work machine

machine																									machine
food manufacturing machine						1			1	1	2	1						2				1	9	food manufacturing machine	
printing machine				1													1	1					3	printing machine	
industrial robot				1														1		1			3	industrial robot	
other general power machines			9	6	5	9	7	5	3	5	6	1	7	4	4	6	6	7	7	9	10	116	other general power machines		
felling machine																								felling machine	
mobile logging machine																								mobile logging machine	
skyline yarding machine																								skyline yarding machine	
other mobile silviculture machine																								other mobile silviculture machine	
crane			6	9	5	3	5	6	1	1	3	1	4	1	2		3	2	1	1	2	56	crane		
mobile crane			3			1	1			1			1	1	1		1		1	1		12	mobile crane		
derrick crane																								derrick crane	
elevator, lift			3	2	1	5	1	2	4	1	1	2	2	1		3		2	3	3	2	38	elevator, lift		
cargo lifting appliance													1						1				2	cargo lifting appliance	
gondola																								gondola	
lumberyard equipment, logging cableway																								lumberyard equipment, logging cableway	

facilities			8		4		8	7	12	9	12	12	5	8	11	20	11	14	19	15	16	13	10	214	facilities
scaffolding					2		2	1	1	2	1			2	1			1	1			1		15	scaffolding
timbering																									timbering
stairs, landing stage			13		3		7	11	19	17	25	11	23	19	17	16	23	33	22	12	27	20	28	346	stairs, landing stage
opening			3		5		2	3	2	1	2	2	1				3	3	4	4	1	1	2	39	opening
roof, beam, haze, crossbeam, principal rafter								1	1	1	1				1		1			1	1	2	1	11	roof, beam, haze, crossbeam, principal rafter
working platform, boot board			13		13		9	11	7	15	17	18	14	22	10	14	14	17	21	13	13	16	15	272	working platform, boot board
passage			16		14		25	23	22	40	24	28	30	34	35	40	36	41	52	57	60	58	64	699	passage
building, establishment			6		11		7	9	14	13	9	14	14	12	12	10	16	16	16	18	15	18	16	246	building, establishment
other temporary buildings, establishments			3		10		9	10	4	6	8	9	4	12	10	9	13	20	14	22	19	16	22	220	other temporary buildings, establishments
explosive substance															1									1	explosive substance
inflammable substance								1			1			1										3	inflammable substance
inflammable gas						1	1							1										3	inflammable gas
harmful substance			1		1			1							1							1		5	harmful substance
radiation																									radiation
other hazards, harmful substances									1		1	1				1			2		5	1		12	other hazards, harmful substances

metal material			17		12		9	11	16	5	4	8	4	10	7	14	14	2	9	13	6	4	11	176	metal material
lumber, bamboo			3		5		7	4	6	5	6	3	4	4	5	3	8	3	3	3	1	3	4	80	lumber, bamboo
stone, sand, substance							1		1	1					1		1				1	2		8	stone, sand, substance
other materials			4		3		5	1	6	8	2	3	6	4	3	5	6	6	8	7	3	4	7	91	other materials
load			59		54		66	66	63	62	52	68	68	82	70	79	100	77	87	96	109	111	125	1,494	load
machine/equipment as load					2				2	2	2	1		2	4	1		2	1	4	1	3	1	28	machine/equipment as load
natural ground, rock							1			1							1							3	natural ground, rock
standing tree																									standing tree
water									1				2	1					1					5	water
abnormal environment												1												1	abnormal environment
high/cold temperature environment			3				4	4	3	2		6	2	2	7	5	6	5	5	7	14	5	3	83	high/cold temperature environment
other environments			3		2		3	5	1	4	5	8	15	12	12	15	4	6	7	5	3	2	16	128	other environments
other causal agent			7		8		3	2	3	7	3	2	4	6	5	6	5	4	8	6	6	10	41	136	other causal agent
no causal agent			6		11		11	15	11	12	11	15	22	24	24	24	38	29	38	37	46	67	70	511	no causal agent
unclassifiable					1		3	2	1	2	1		1	2		2	3		1	1			1	21	unclassifiable
total			373		406		386	422	437	464	411	398	444	497	513	502	559	548	620	615	666	685	781	9,727	total

Workers age of fatal and non-fatal accidents in warehousing in 1999-2021

Age	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	total	Age
19 years old or less	8	15	10	14	10	10	15	9	8	13	9	13	12	9	13	11	14	11	11	19	7	13	16	270	19 years old or less
20-29	79	82	80	82	85	68	64	71	81	73	66	65	54	67	85	79	67	69	73	72	82	82	88	1,714	20-29
30-39	59	80	76	65	94	97	90	102	113	97	96	90	87	107	112	115	107	112	104	89	102	126	127	2,247	30-39
40-49	71	52	75	83	73	84	86	79	92	101	101	84	103	120	125	113	148	132	168	159	162	157	181	2,549	40-49
50-59	88	107	96	113	109	96	92	119	101	118	89	90	119	124	97	124	129	132	167	170	192	188	235	2,895	50-59
60 years old or more	35	29	36	29	35	37	39	42	42	62	50	56	69	70	81	60	94	92	97	106	121	119	134	1,535	60 years old or more
total	340	365	373	386	406	392	386	422	437	464	411	398	444	497	513	502	559	548	620	615	666	685	781	11,210	total

Workers' number of workplace of fatal and non-fatal accidents in warehousing in 1999-2021

Workers scale	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	total	Workers scale
9 workers or less	79	76	104	88	100	78	80	80	81	85	46	59	64	63	69	52	45	65	73	63	60	56	72	1,638	9 workers or less
10-29	107	104	99	112	125	135	122	128	123	122	128	92	105	124	117	117	130	111	128	134	155	139	150	2,807	10-29
30-49	68	62	64	82	57	59	58	74	78	80	73	70	70	74	84	69	110	88	91	90	85	102	125	1,813	30-49
50-99	34	51	61	49	63	54	52	64	73	80	65	63	82	86	101	102	109	120	118	124	145	140	129	1,965	50-99
100-299	43	54	33	45	47	49	63	58	65	75	80	97	104	119	113	131	140	132	161	173	172	168	214	2,336	100-299
300 workers or more	9	18	12	10	14	17	11	18	17	22	19	17	19	31	29	31	25	32	49	31	49	80	91	651	300 workers or more
total	340	365	373	386	406	392	386	422	437	464	411	398	444	497	513	502	559	548	620	615	666	685	781	11,210	total

Month of fatal and non-fatal accidents in warehousing in 1999-2021

Month	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	total	Month
January	26	34	30	37	31	41	19	32	31	28	35	20	33	41	38	35	40	36	54	46	49	52	65	853	January
February	25	16	23	32	33	19	22	28	42	39	24	33	29	43	43	45	38	42	45	40	55	43	66	825	February
March	28	35	32	29	46	31	33	30	38	51	46	27	39	52	46	35	48	58	49	55	52	58	49	967	March
April	28	32	38	27	33	32	27	37	27	27	38	29	32	33	30	44	55	47	49	38	62	50	79	894	April
May	32	27	29	28	38	35	36	37	32	43	33	24	40	38	45	33	44	41	44	59	58	52	75	923	May
June	31	33	28	40	35	43	35	31	35	40	37	40	49	47	32	47	53	53	70	46	57	56	51	989	June
July	30	27	24	34	37	32	38	26	40	51	39	37	39	43	44	62	50	51	61	57	76	72	72	1,042	July
August	32	33	31	31	32	32	33	40	38	43	27	40	34	44	56	36	45	42	58	57	59	70	51	964	August
September	25	28	36	29	35	30	41	39	38	31	43	28	47	45	45	48	48	45	53	43	45	65	86	973	September
October	29	33	36	36	31	33	35	40	39	38	35	46	33	41	55	45	43	51	50	57	57	56	58	977	October
November	28	35	35	35	25	30	31	44	41	39	32	34	30	42	43	31	36	43	43	55	46	53	60	891	November
December	26	32	31	28	30	34	36	38	36	34	22	40	39	28	36	41	59	39	44	62	50	58	69	912	December
total	340	365	373	386	406	392	386	422	437	464	411	398	444	497	513	502	559	548	620	615	666	685	781	11,210	total

Prefecture of fatal and non-fatal accidents in warehousing in 1999-2021

Prefecture	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	total	Prefecture
Hokkaido	12	16	15		20		20	17	17	12	15	17	7	14	15	11	17	9	23	13	13	28	47	358	Hokkaido
Aomori	4	1	2		2		4	8	5	14	11	7	8	9	9	11	7	4	6	9	6	2	9	138	Aomori

Iwate	1	4	2		1		2	6	9	2	3	3	4	5	3	3	3	3	8	6	6	2	7	83	Iwate
Miyagi	6	8	14		14		13	20	17	20	13	12	22	16	21	23	17	18	16	20	18	33	39	380	Miyagi
Akita	1	1	3		1		1	2	1	3			1		2	2			2		1	2	2	25	Akita
Yamagata	3		1				3		1		1	3	3	4	5	4	2	1	1	1	2	1	2	38	Yamagata
Fukushima		1	1		3		3	5	7	1	3	2	5	2	7	3	4	12	10	6	6	9	13	103	Fukushima
Ibaraki	3	7	15		10		14	12	12	11	12	15	20	13	20	22	18	21	27	32	31	30	45	390	Ibaraki
Tochigi	4	8	4		12		8	6	6	6	5	6	5	6	12	2	6	13	7	10	17	11	13	167	Tochigi
Gunma	8	5	8		9		4	8	7	7	5	2	11	12	24	11	12	7	11	8	17	16	14	206	Gunma
Saitama	22	28	27		29		29	31	29	31	38	31	35	54	44	53	62	66	69	45	49	61	90	923	Saitama
Chiba	17	19	17		21		21	12	17	28	32	38	57	49	24	38	24	29	37	42	51	35	31	639	Chiba
Tokyo	31	25	26		20		25	20	25	33	27	30	24	28	28	30	37	33	52	47	49	57	66	713	Tokyo
Kanagawa	26	38	30		31		22	17	36	25	25	13	23	28	33	45	35	50	22	34	37	47	37	654	Kanagawa
Niigata	5	4	3		4		3	6	5	5	5	12	6	5	5	7	8	10	15	7	13	7	5	140	Niigata
Toyama	1		3		3			2	4	5	1	2	3	4	3	4	1	2		3	2	2	1	46	Toyama
Ishikawa		1	1		2		2	4	4	4	5	4	3	3	3	3	6	3	4	5	7	7	4	75	Ishikawa
Fukui	3	8	2		3		2	1	4	5	5	4	2	3	6	2	2	4	6	6	1	2	4	75	Fukui
Yamanashi	1		1				2		2	1		2	2	1	1	3	4	1	2	3	3	2	12	43	Yamanashi
Nagano	1	1	6		1		7	2	6	2	6	5	3	2	2	1	5	3	7	4	13	6	9	92	Nagano
Gifu	4	3	5		6		3	8	5	4	3	7	6	5	6	7	11	6	15	13	20	15	4	156	Gifu
Shizuoka	16	17	9		13		14	14	12	22	14	16	20	16	10	11	20	14	25	20	35	22	19	359	Shizuoka
Aichi	33	32	33		33		29	25	28	43	28	30	26	27	20	26	22	26	33	28	34	43	38	637	Aichi
Mie	6	9	9		10		5	8	5	4	6	7	7	7	3	7	7	3	3	8	10	7	4	135	Mie
Shiga	4	4	6		12		4	15	11	10	7	17	7	7	17	9	11	18	9	17	18	17	18	238	Shiga

Kyoto	8	13	5		9		9	5	9	9	4	6	6	4	10	4	13	14	11	16	15	20	13	203	Kyoto
Osaka	37	36	50		48		42	60	60	57	58	29	35	71	67	58	52	52	77	69	71	80	107	1,216	Osaka
Hyogo	16	14	21		15		13	26	20	17	18	19	25	15	14	28	28	27	33	26	29	29	31	464	Hyogo
Nara	1	1	2				4	3	3	4	1	3	2	5	3	4	8	2		4	7	3	6	66	Nara
Wakayama	4	3	2		3		2		2	2	2		1	1	3	1	2	5	2	1	2	5	4	47	Wakayama
Tottori	1	2							2		1					1	1		1	1			1	11	Tottori
Shimane										1	1				1		1	2		1	1			8	Shimane
Okayama	9	6	3		6		11	10	7	17	8	5	4	8	10	6	9	7	6	12	10	9	11	174	Okayama
Hiroshima	9	6	4		9		13	18	15	17	18	19	19	11	17	5	15	10	15	12	13	16	19	280	Hiroshima
Yamaguchi	2	1	1		1		3	3	1	3		2	1	5	2	3	4	2	5	1	7	4	3	54	Yamaguchi
Tokushima							3	1	1	1		1		2							1	2		12	Tokushima
Kagawa	4	2	2		3		1	2	2	1	3		1	3		3		1	2	2	7	4	2	45	Kagawa
Ehime	2	2			5		3	4	4	1	3	3	1	1		2	3		2	3	4	2	4	49	Ehime
Kochi	2		1						1							1		1	1	1		1	4	13	Kochi
Fukuoka	18	19	30		21		25	31	30	21	15	13	21	31	37	29	45	37	36	55	26	17	13	570	Fukuoka
Saga	4	3			6		7	3	2	2	1	2	9	8	6	7	15	10	6	8	4	5	8	116	Saga
Nagasaki	5	5	4		5		2			1	2	1		1	2	2	3		3		1	3	3	43	Nagasaki
Kumamoto	1	4	2		6		3			1	2	1	3	2	5	3	5	3	2	1	1	2	5	52	Kumamoto
Oita					1		1	2	2				1		1					1	1	1		11	Oita
Miyazaki		1	1						1	4		2	1		1	3	8	5	3	2	2	4	1	39	Miyazaki
Kagoshima	4	6	2		8		4	5		6	4	6	2	9	7	3	6	9	4	10	4	7	7	113	Kagoshima
Okinawa	1	1								1		1	2		4	1		5	1	2	1	7	6	33	Okinawa
total	340	365	373		406		386	422	437	464	411	398	444	497	513	502	559	548	620	615	666	685	781	10,432	total

Fatal and non-fatal accidents mean fatal and non-fatal injuries and occupational diseases with work absence of 4 days and more. Data of 2011 year include fatal and non-fatal accidents caused by Great East Japan Earthquake in 2011.

Data sources: <https://anzeninfo.mhlw.go.jp/user/anzen/tok/anst00.htm> (MHLW, Japan)

Return to https://www.jisha.or.jp/english/statistics/2021e_industry.html

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 Fatal accidents in warehousing in Japan in 1999-2021

warehousing industry Code No.080401

Type of fatal accidents in warehousing in 1999-2021

Type of accidents	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	total	Type of accidents
fall from height		2		3	3	2			1	2		1	2	1		1	1	1	2	1				23	fall from height
falling to same level		1				1						1			1				1					5	falling to same level
crash																		1						1	crash
struck by flying or falling object				1	1							1									1			4	struck by flying or falling object
collapse	1		1		1		1							1									1	6	collapse
crashed by					1			4	1					1									1	8	crashed by
caught in/between	2	1	2	1	1	2		2	3	2		1		1				1		1	1	1		22	caught in/between

cut																									cut
injury to the sole of the foot																									injury to the sole of the foot
drown												2	1						1					4	drown
contact to high/low-temperature							1																	1	contact to high/low-temperature
contact to harmful substance												1												1	contact to harmful substance
electric shock																									electric shock
explosion																									explosion
burst																									burst
fire											1													1	fire
traffic accident (public road)	1													1										2	traffic accident (public road)
traffic accident (others)																									traffic accident (others)
reaction to motion/improper motion																									reaction to motion/improper motion
others						1	1					1			1		1				1			6	others
unclassifiable																									unclassifiable
total	4	4	3	5	7	6	3	6	5	4	1	5	5	6	2	1	2	3	4	3	2	1	2	84	total

Causal agents (large) of fatal accidents in warehousing in 1999-2021

Causal (L) agents	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	total	Causal (L) agents
machine																									machine
crane, conveying machine	3	3	2	3	5	2	1	6	5	2		1	1	4				2	1	2	1	1	1	46	crane, conveying machine
other equipment																	1				1			2	other equipment
temporary buildings, establishments	1	1		1	1	3				2		1	1		1	1		1	2					16	temporary buildings, establishments
substance, material			1	1																			1	3	substance, material
load					1							1	1	1										4	load
environment							1					1	2	1					1					6	environment
others						1	1				1	1			1		1			1				7	others
total	4	4	3	5	7	6	3	6	5	4	1	5	5	6	2	1	2	3	4	3	2	1	2	84	total

Causal agents (middle) of fatal accidents in warehousing in 1999-2021

Causal (M) agents	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	total	Causal (M) agents
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unclassifiable												1													1	unclassifiable
total	4	4	3	5	7	6	3	6	5	4	1	5	5	6	2	1	2	3	4	3	2	1	2	84	total	

Causal agents (small) of fatal accidents in warehousing in 1999-2021

Causal (S) agents	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	total	Causal (S) agents	
engine																										engine
power transmission mechanism																										power transmission mechanism
circular sawing machine																										circular sawing machine
band sawing machine																										band sawing machine
wood planer machine																										wood planer machine
hollow chisel mortiser, wood borer																										hollow chisel mortiser, wood borer
chamfering machine, router, woodworking milling machine																										chamfering machine, router, woodworking milling machine
chain saw																										chain saw
other woodworking																										other woodworking

30-49	1	1		3		1	1	1				2			1		1	1	2	2	1		1	19	30-49	
50-99	1				1			1	1	1				1											6	50-99
100-299							1	1		1			1							1					5	100-299
300 workers or more						1			1					1											3	300 workers or more
total	4	4	3	5	7	6	3	6	5	4	1	5	5	6	2	1	2	3	4	3	2	1	2	84	total	

Month of fatal accidents in warehousing in 1999-2021

Month	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	total	Month
January						2								1						1				4	January
February	1		1															1		1				4	February
March					1			1				1	1	1				1					1	7	March
April	1				1	1				2							1							6	April
May		2					2	1		2	1													8	May
June					1	1		1	1					2	1	1	1			2		2		13	June
July			1	1	1			1																4	July
August		1			1		1	1					1	2			1		1				1	10	August
September			1	1				1	2			1		1					1					8	September
October				1		1			1			1			1			1			1			7	October
November	1			2	1	1			1			1											1	8	November
December	1	1			1							1	1											5	December
total	4	4	3	5	7	6	3	6	5	4	1	5	5	6	2	1	2	3	4	3	2	1	2	84	total

